

ABSTRACT OF THE DISCLOSURE

Aluminum chloride is removed effectively from compound mixtures containing organochlorosilanes such as are produced in the direct synthesis, by adding a diluent containing organochlorosilanes and optionally chloromethane to a solids content $< 15\%$ and a concentration of compounds having a boiling point $> 71^{\circ}\text{C}$ of less than 25% , and evaporating this diluted mixture into a volatile product stream and an AlCl_3 - containing solid.